

OUR REF: AN-C25/2

Greenbank Electronics

DATE 18-11-80

USE OF TINY BASIC VERSION 3.2 WITH THE ZMON 0.1 MONITOR

THE STANDARD (VERSION 1.2) TINY BASIC IS WRITTEN TO START AT 0000 AS IS THE ZMON 0.1 MONITOR. SINCE ZMON 0.1 USES RESTARTS * ^{SEE NOTE} AND TINY BASIC DOES NOT, THEN TINY BASIC IS THE ONE TO BE MOVED, SO THAT BOTH PROGRAMS CAN BE PLUGGED INTO A SYSTEM AT THE SAME TIME.

THE ADDRESSES THEN WILL BE

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|----------------|----------------|
| ZMON 0.1 | 0000 - 03FF |
| V3.2 (1) | 0400 - 07FF |
| V3.2 (2) | 0800 - 0BFF |
| RAM FOR ZMON: | 1FFF DOWNWARDS |
| RAM FOR V3.2 : | 1000 UPWARDS |

NOTE THAT THE RAM AROUND THE AREA OF THE TOP OF PAGE 1 (I.E. 1FFF DOWNWARDS) IS USED BY BOTH ZMON 0.1 AND V3.2. THIS WAS CHOSEN TO ALLOW OPERATION WITH A VERY SMALL (4K) AMOUNT OF RAM, I.E. TO SAVE THE USER PURCHASING ONE SET OF RAM FOR ZMON AND ANOTHER FOR THE TINY BASIC.

WITH THE ABOVE CHANGES TO THE ADDRESSES, THE USER MANUAL FOR THE VERSION 1.2 TINY BASIC WILL APPLY TO THE VERSION 3.2. THAT IS, PROGRAMMING IS THE SAME, TAPE UART REQUIREMENTS ETC.

AT SWITCH ON A CLEAR SCREEN WITH A CURSOR ('_' CHARACTER) WILL BE OBTAINED. THE USER CAN THEN USE THE ZMON 0.1 MONITOR PROGRAM. ALTERNATIVELY ACCESS TO THE V3.2 PROGRAM IS EASILY OBTAINED BY TYPING E400.CR (WHERE '.CR' IS 'FULLSTOP' FOLLOWED BY CARRIAGE RETURN). THE MESSAGE 'READY' SHOULD THEN BE OBTAINED AT THE BOTTOM LEFT HAND CORNER OF THE SCREEN. TYPING 'CR' 'NEW' 'CR' SHOULD GIVE THE SIGN ON MESSAGE AND PROGRAMMING IN TINY BASIC CAN BEGIN. IF 'NEW' RETURNS AN 'ERR' MESSAGE TYPE IT AGAIN AFTER PRESSING CARRIAGE RETURN - THE PURPOSE IS TO CLEAR OUT ANY RANDOM 'JUNK' IN THE INPUT BUFFER AT SWITCH ON.

NOTE ALSO THAT ZMON 0.1 WRITES SUCCESSIVE LINES DOWN THE PAGE OF THE VDU SCREEN WHEREAS TINY BASIC 'SCROLLS' UP FROM THE BOTTOM, THERE IS NO PARTICULAR SIGNIFICANCE TO THIS DIFFERENCE, IT IS MERELY REFLECTING THE DIFFERING TASTES OF THE TWO DIFFERENT AUTHORS.

IF ANY DIFFICULTIES ARISE, PLEASE CONTACT US AND WE WILL DO OUR BEST TO HELP RESOLVE THEM.

NOTE

* This statement is incorrect - neither program uses restarts.

D.M.P. 18-11-80

460 ~~92~~ NEW CHESTER ROAD, NEW FERRY, ~~WIRRAL~~ ^{ROCK}, MERSEYSIDE. ~~L62 5AG~~ ^{L42 2AE}

TEL: 051-645 3391.